

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Agency : Mr. Ram Singh Chandra Naik, Contractor,
Bangalore.

Name of the Work : Improvement to Roads, Drains and Asphalting to
Roads in Venkategowda Layout Kempapura 1st
Main in Ward No.07, Byatarayanapura, BBMP,
Bangalore.

Estimate Cost :

QUALITY CONTROL REPORTS TO

ASST. EXECUTIVE ENGINEER
Kodigehalli Sub Division,
BBMP, Bangalore.

CIVIL-TECH CONSULTANTS & ENGINEERS

Building & Highway Material Testing Laboratory
NABL ACCREDITED LABORATORY AS PER ISO / IEC – 17025:2005
No.23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar, Bangalore – 560 079.

QUALITY CONTROL REPORTS FOR
CIVIL WORKS



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Job No.: CTCE/BBMP/W.No.07/RSCN/CEMENT/2014-15

Date: 12.05.2014

TEST REPORT



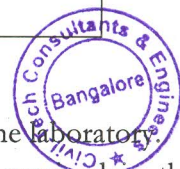
CLIENT	:	Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	Mr. Ram Singh Chandra Naik, Contractor, Bangalore.
NAME OF THE WORK	:	Improvement to Roads, Drains and Asphalting to Roads in Venkategowda Layout Kempapura 1 st Main in Ward No.07, Byatarayanapura, BBMP, Bangalore.
REFERENCE	:	EE/BTP/BBMP/E-TND/162/2013-14 Dated: 09.10.2013
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4)	28.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	460 Minutes	Not More than 600 Minutes
3	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm

Note:

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- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
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Job No.: CTCE/BBMP/W.No.07/RSCN/SAND/2014-15



: 12.05.2014

TEST REPORT ON FINE AGGREGATES (SAND)

IS 383-1970 (RA- 2002)

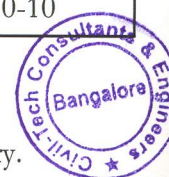
Client : Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Agency : Mr. Ram Singh Chandra Naik, Contractor, Bangalore.
Name of Work : Improvement to Roads, Drains and Asphalting to Roads in Venkategowda Layout Kempapura 1st Main in Ward No.07, Byatarayanapura, BBMP, Bangalore.
Reference : EE/BTP/BBMP/E-TND/162/2013-14 Dated: 09.10.2013
Date of Testing : 12.05.2014
Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	63	6.30	6.30	93.7	90-100
2.36	102	10.20	16.50	83.5	75-100
1.18	243	24.30	40.80	59.2	55-90
600 Micron	215	21.50	62.30	37.7	35-59
300 Micron	175	17.50	79.80	20.2	8-30
150 Micron	115	11.50	91.30	8.7	0-10

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Job No.: CTCE/BBMP/W.No.07/RSCN/AGG/2014-15



: 12.05.2014

TEST REPORT ON COARSE AGGREGATES IS 383-1970 (RA- 2002)

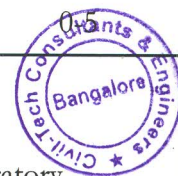
Client : Asst. Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Agency : Mr. Ram Singh Chandra Naik, Contractor, Bangalore.
Name of Work : Improvement to Roads, Drains and Asphaltting to Roads in Venkategowda Layout
Kempapura 1st Main in Ward No.07, Byatarayanapura, BBMP, Bangalore.
Reference : EE/BTP/BBMP/E-TND/162/2013-14 Dated: 09.10.2013
Date of Testing : 12.05.2014
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **10000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	150	1.50	1.50	98.50	95-100
20	5645	56.45	57.95	42.05	30-70
10	2620	26.20	84.15	15.85	10-35
4.75	1275	12.75	96.90	3.10	

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Job No.: CTCE/BBMP/W.No.07/RSCN/STEEL/2014-15

19.05.2014

TEST REPORT ON REINFORCEMENT STEEL

Client : **Asst. Executive Engineer**, Kodigehalli Sub Division,
BBMP, Bangalore.

Agency : **Mr. Ram Singh Chandra Naik**, Contractor, Bangalore.

Name of the work : Improvement to Roads, Drains and Asphaltting to Roads
in Venkategowda Layout Kempapura 1st Main in Ward
No.07, Byatarayanapura, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-TND/162/2013-14 Dated:
09.10.2013

Date of Test : 19.05.2014

Technical Reference : IS: 1786-2008



Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm ²	Tensile strength (Ultimate stress) N/mm ²	Elongation percent gauge length		
1	12	0.89	515	558	13.45	O.K	O.K

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19.05.2014

TEST REPORT ON REINFORCEMENT STEEL

Client : Asst. Executive Engineer, Kodigehalli Sub Division,
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Agency : Mr. Ram Singh Chandra Naik, Contractor, Bangalore.

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Reference : EE/BTP/BBMP/E-TND/162/2013-14 Dated:
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Date of Test : 19.05.2014

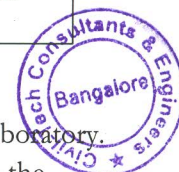
Technical Reference : IS: 1786-2008



Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm ²	Tensile strength (Ultimate stress) N/mm ²	Elongation percent gauge length		
1	16	1.58	520	563	13.60	O.K	O.K

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Lab No.: CTCE/BBMP/W.No.07/RSCN/CUBE/2014-15



18.06.2014

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer**, Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. Ram Singh Chandra Naik**, Contractor, Bangalore.

Name of the work : Improvement to Roads, Drains and Asphalting to Roads in Venkategowda Layout Kempapura 1st Main in Ward No.07, Byatarayanapura, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-TND/162/2013-14 Dated: 09.10.2013

Sample ID : Culvert Deck Slab Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

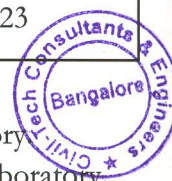
Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	21.05.2014	18.06.2014	8.267	512.3	22.77
2	21.05.2014	18.06.2014	8.152	498.5	22.16
3	21.05.2014	18.06.2014	8.374	522.6	23.23

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